# **ANALYTICAL REPORT**

Eurofins TestAmerica, Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

Laboratory Job ID: 480-174150-1

Client Project/Site: NPDES Dry Weather

For:

Solutia Inc. 730 Worcester Street PO BOX 51975

Springfield, Massachusetts 01151

Attn: Andrew Orciari

Authorized for release by: 9/3/2020 4:45:57 PM

Steve Hartmann, Project Manager I

(413)572-4000

Steve.Hartmann@Eurofinset.com

·····LINKS ······

Review your project results through

**Have a Question?** 



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

2

3

6

7

8

9

10

Client: Solutia Inc. Project/Site: NPDES Dry Weather Laboratory Job ID: 480-174150-1

# **Table of Contents**

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Lab Chronicle	8
Certification Summary	
Method Summary	11
Sample Summary	12
Receipt Checklists	13
Chain of Custody	16

\_\_\_\_\_

-

6

8

9

10

4.

# **Definitions/Glossary**

Client: Solutia Inc. Job ID: 480-174150-1

Project/Site: NPDES Dry Weather

# **Glossary**

MCL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

ML Minimum Level (Dioxin)

ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

EPA recommended "Maximum Contaminant Level"

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

4

7

8

9

# **Case Narrative**

Client: Solutia Inc.

Job ID: 480-174150-1 Project/Site: NPDES Dry Weather

Job ID: 480-174150-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-174150-1

## Comments

No additional comments.

#### Receipt

The samples were received on 8/22/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

#### **GC/MS VOA**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# **General Chemistry**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### **Organic Prep**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: Solutia Inc.

Project/Site: NPDES Dry Weather

Client Sample ID: OF 17

Date Collected: 08/20/20 13:35

Date Received: 08/22/20 08:00

Lab Sample ID: 480-174150-1

Matrix: Water

Job ID: 480-174150-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0		ug/L			09/03/20 15:45	1
Chloroform	14		1.0		ug/L			09/03/20 15:45	1
Dichlorobromomethane	1.6		1.0		ug/L			09/03/20 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		60 - 140			_		09/03/20 15:45	1
4-Bromofluorobenzene	101		60 140					09/03/20 15:45	1

09/03/20 15:45 *4-Bromofluorobenzene* 101 09/03/20 15:45 Toluene-d8 (Surr) 104 60 - 140 60 - 140 09/03/20 15:45 Dibromofluoromethane (Surr) 100

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol	ND	5.0		mg/L			09/01/20 00:17	1

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result Qualifier	RL	MDL Unit	. <b>D</b>	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND	1.0	ug/L		08/25/20 09:35	08/26/20 08:02	1
Aroclor 1221	ND	1.0	ug/L	-	08/25/20 09:35	08/26/20 08:02	1
Aroclor 1232	ND	1.0	ug/L	-	08/25/20 09:35	08/26/20 08:02	1
Aroclor 1242	ND	1.0	ug/L	•	08/25/20 09:35	08/26/20 08:02	1
Aroclor 1248	ND	1.0	ug/L	-	08/25/20 09:35	08/26/20 08:02	1
Aroclor 1254	ND	1.0	ug/L	-	08/25/20 09:35	08/26/20 08:02	1
Aroclor 1260	ND	1.0	ug/L		08/25/20 09:35	08/26/20 08:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		10 - 150	08/25/20 09:35	08/26/20 08:02	1
Tetrachloro-m-xylene	54		10 - 150	08/25/20 09:35	08/26/20 08:02	1
DCB Decachlorobiphenyl	67		10 - 150	08/25/20 09:35	08/26/20 08:02	1
DCB Decachlorobiphenyl	56		10 - 150	08/25/20 09:35	08/26/20 08:02	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010		mg/L	<u> </u>	08/24/20 10:45	08/24/20 19:38	1
Zinc	0.013		0.010		mg/L		08/24/20 10:45	08/24/20 19:38	1

**General Chemistry** 

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	0.010	mg/L		08/25/20 13:41	08/25/20 15:50	1

Client Sample ID: OF 9	Lab Sample ID: 480-174150-2
Date Collected: 08/20/20 13:22	Matrix: Water

Date Received: 08/22/20 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0		ug/L			09/03/20 14:12	1
Chloroform	11		1.0		ug/L			09/03/20 14:12	1
Dichlorobromomethane	1.6		1.0		ug/L			09/03/20 14:12	1
Surragata	9/ Bassyany	Ovalifian	Limita				Dranarad	Analyzad	Dil Ess

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		60 - 140		09/03/20 14:12	1
4-Bromofluorobenzene	99		60 - 140		09/03/20 14:12	1

Eurofins TestAmerica, Buffalo

Page 5 of 19

Job ID: 480-174150-1

Client: Solutia Inc.

Project/Site: NPDES Dry Weather

Client Sample ID: OF 9

Lab Sample ID: 480-174150-2 Date Collected: 08/20/20 13:22

**Matrix: Water** 

Date Received: 08/22/20 08:00

Method: 624.1 - Volatile Organic	Compounds (GC/MS) (Continued)
----------------------------------	-------------------------------

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		60 - 140		09/03/20 14:12	1
Dibromofluoromethane (Surr)	99		60 - 140		09/03/20 14:12	1

# Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol	ND	5.0		mg/L			09/01/20 00:43	1

# Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1
Aroclor 1221	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1
Aroclor 1232	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1
Aroclor 1242	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1
Aroclor 1248	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1
Aroclor 1254	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1
Aroclor 1260	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:15	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		10 - 150	08/	/25/20 09:35	08/26/20 08:15	1
Tetrachloro-m-xylene	68		10 - 150	08/	/25/20 09:35	08/26/20 08:15	1
DCB Decachlorobiphenyl	73		10 - 150	08/	/25/20 09:35	08/26/20 08:15	1
DCB Decachlorobiphenyl	80		10 - 150	08/	/25/20 09:35	08/26/20 08:15	1

# Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010		mg/L		08/24/20 10:45	08/24/20 19:53	1
Zinc	ND		0.010		mg/L		08/24/20 10:45	08/24/20 19:53	1

## **General Chemistry**

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	0.010	mg/L		08/25/20 13:41	08/25/20 15:51	1

# Client Sample ID: OF 21S

Lab Sample ID: 480-174150-3 Date Collected: 08/20/20 13:10 **Matrix: Water** Date Received: 08/22/20 08:00

# Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0		ug/L			09/03/20 14:36	1
Chloroform	8.0		1.0		ug/L			09/03/20 14:36	1
Dichlorobromomethane	1.0		1.0		ug/L			09/03/20 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		60 - 140		09/03/20 14:36	1
4-Bromofluorobenzene	103		60 - 140		09/03/20 14:36	1
Toluene-d8 (Surr)	103		60 - 140		09/03/20 14:36	1
Dibromofluoromethane (Surr)	101		60 - 140		09/03/20 14:36	1

# Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte		Result	Qualifier	RL	MDL	Unit	D	)	Prepared	Analyzed	Dil Fac	
Methanol	_	ND		5.0		mg/L				09/01/20 01:09	1	

# **Client Sample Results**

Client: Solutia Inc. Job ID: 480-174150-1

Project/Site: NPDES Dry Weather

**Client Sample ID: OF 21S** 

Lab Sample ID: 480-174150-3

**Matrix: Water** 

Date Collected: 08/20/20 13:10 Date Received: 08/22/20 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Aroclor 1221	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Aroclor 1232	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Aroclor 1242	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Aroclor 1248	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Aroclor 1254	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Aroclor 1260	ND		1.0		ug/L		08/25/20 09:35	08/26/20 08:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		10 - 150				08/25/20 09:35	08/26/20 08:28	1
Tetrachloro-m-xylene	82		10 - 150				08/25/20 09:35	08/26/20 08:28	1
DCB Decachlorobiphenyl	82		10 - 150				08/25/20 09:35	08/26/20 08:28	1
DCB Decachlorobiphenyl	108		10 - 150				08/25/20 09:35	08/26/20 08:28	1
- Method: 200.7 Rev 4.4 - Meta	Is (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010		mg/L		08/24/20 10:45	08/24/20 19:56	1
Zinc	0.034		0.010		mg/L		08/24/20 10:45	08/24/20 19:56	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		08/25/20 13:41	08/25/20 15:55	1

9/3/2020

Project/Site: NPDES Dry Weather

Client Sample ID: OF 17

Client: Solutia Inc.

Lab Sample ID: 480-174150-1

**Matrix: Water** 

Date Collected: 08/20/20 13:35 Date Received: 08/22/20 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	721636	09/03/20 15:45	AMS	TAL EDI
Total/NA	Analysis	8015D		1	632580	09/01/20 00:17	DC	TAL SAV
Total/NA	Prep	608			719448	08/25/20 09:35	DXB	TAL EDI
Total/NA	Analysis	608.3		1	719641	08/26/20 08:02	SAK	TAL EDI
Total/NA	Prep	200.7			546440	08/24/20 10:45	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	546631	08/24/20 19:38	LMH	TAL BUF
Total/NA	Prep	Distill/CN			546696	08/25/20 13:41	CRK	TAL BUF
Total/NA	Analysis	335.4		1	546757	08/25/20 15:50	CRK	TAL BUF

Client Sample ID: OF 9

Date Collected: 08/20/20 13:22

Lab Sample ID: 480-174150-2

**Matrix: Water** 

Date Received: 08/22/20 08:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	721636	09/03/20 14:12	AMS	TAL EDI
Total/NA	Analysis	8015D		1	632580	09/01/20 00:43	DC	TAL SAV
Total/NA	Prep	608			719448	08/25/20 09:35	DXB	TAL EDI
Total/NA	Analysis	608.3		1	719641	08/26/20 08:15	SAK	TAL EDI
Total/NA	Prep	200.7			546440	08/24/20 10:45	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	546631	08/24/20 19:53	LMH	TAL BUF
Total/NA	Prep	Distill/CN			546696	08/25/20 13:41	CRK	TAL BUF
Total/NA	Analysis	335.4		1	546757	08/25/20 15:51	CRK	TAL BUF

**Client Sample ID: OF 21S** 

Date Collected: 08/20/20 13:10 Date Received: 08/22/20 08:00

Lab Sample ID: 480-174150-3

**Matrix: Water** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	721636	09/03/20 14:36	AMS	TAL EDI
Total/NA	Analysis	8015D		1	632580	09/01/20 01:09	DC	TAL SAV
Total/NA	Prep	608			719448	08/25/20 09:35	DXB	TAL EDI
Total/NA	Analysis	608.3		1	719641	08/26/20 08:28	SAK	TAL EDI
Total/NA	Prep	200.7			546440	08/24/20 10:45	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	546631	08/24/20 19:56	LMH	TAL BUF
Total/NA	Prep	Distill/CN			546696	08/25/20 13:41	CRK	TAL BUF
Total/NA	Analysis	335.4		1	546757	08/25/20 15:55	CRK	TAL BUF

### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# **Accreditation/Certification Summary**

Client: Solutia Inc. Job ID: 480-174150-1

Project/Site: NPDES Dry Weather

# Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
Massachusetts	St	tate	M-NY044	07-01-21
The following analytes	are included in this report, but	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for
The following analytes the agency does not o	•	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
	•	ut the laboratory is not certif Matrix	ied by the governing authority. This list ma Analyte	ay include analytes fo

# Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert no.=""></cert>	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	04-01-21
Pennsylvania	NELAP	68-00522	02-28-21
Rhode Island	State	LAO00132	12-31-20
USDA	US Federal Programs	P330-18-00135	05-03-21

# Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-21
Alaska	State	GA00006	06-30-21
Alaska (UST)	State	17-016	09-30-20
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arizona	State	AZ0808	12-14-20
Arkansas DEQ	State	19-015-0	02-02-21
California	State	2939	06-30-21
Colorado	State	GA00006	12-31-20
Connecticut	State	PH-0161	03-31-21
Florida	NELAP	E87052	06-30-21
Georgia	State	E87052	06-30-21
Georgia (DW)	State	803	06-30-21
Guam	State	19-007R	04-17-21
Hawaii	State	<cert no.=""></cert>	06-30-21
Illinois	NELAP	200022	11-30-20
Indiana	State	C-GA-02	06-30-21
lowa	State	353	06-30-21
Kansas	NELAP	E-10322	10-15-20
Kentucky (DW)	State	KY90084	12-31-21
Kentucky (UST)	State	<cert no.=""></cert>	06-30-21
Kentucky (WW)	State	KY90084	12-31-20
Louisiana	NELAP	02011	06-30-21
Louisiana (DW)	State	LA009	12-31-20
Maine	State	GA00006	09-26-20

2

3

\_

0

8

10

1'

# **Accreditation/Certification Summary**

Client: Solutia Inc. Job ID: 480-174150-1

Project/Site: NPDES Dry Weather

# Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date 12-31-20	
Maryland	State	250		
Massachusetts	State	M-GA006	06-30-21	
Michigan	State	9925	06-30-21	
Mississippi	State	<cert no.=""></cert>	06-30-21	
Nebraska	State	NE-OS-7-04	06-30-21	
New Jersey	NELAP	GA769	06-30-21	
New Mexico	State	GA00006	06-30-21	
New York	NELAP	10842	04-01-21	
North Carolina (DW)	State	13701	07-31-21	
North Carolina (WW/SW)	State	269	12-31-20	
Pennsylvania	NELAP	68-00474	06-30-21	
Puerto Rico	State	GA00006	01-01-21	
South Carolina	State	98001	06-30-21	
Tennessee	State	02961	06-30-21	
Texas	NELAP	T1047004185-19-14	11-30-20	
Texas	TCEQ Water Supply	T104704185	06-30-21	
US Fish & Wildlife	US Federal Programs	LE058448-0	08-01-21	
USDA	US Federal Programs	P330-18-00313	10-29-21	
Virginia	NELAP	10509	06-14-21	
Washington	State	C805	06-10-21	
West Virginia (DW)	State	9950C	12-31-20	
West Virginia DEP	State	094	07-31-20 *	
Wisconsin	State	999819810	08-31-21	
Wyoming	State	8TMS-L	06-30-21	

300 ID: 400 17 4 100 1

3

4

5

7

10

10

 $<sup>^{\</sup>star} \ Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid.$ 

Eurofins TestAmerica, Buffalo

# **Method Summary**

Client: Solutia Inc. Job ID: 480-174150-1

Project/Site: NPDES Dry Weather

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL EDI
8015D	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	TAL SAV
608.3	Organochlorine Pesticides/PCBs in Water	40CFR136A	TAL EDI
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
335.4	Cyanide, Total	MCAWW	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
608	Liquid-Liquid Extraction (Separatory Funnel)	40CFR136A	TAL EDI
Distill/CN	Distillation, Cyanide	None	TAL BUF

### **Protocol References:**

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

74150-1

2

4

6

Q

9

10

10

# **Sample Summary**

Client: Solutia Inc. Job ID: 480-174150-1

Project/Site: NPDES Dry Weather

Lab Sample ID 480-174150-1	OF 17	Matrix Water	Collected 08/20/20 13:35	Received 08/22/20 08:00	Asse
480-174150-2	OF 9	Water	08/20/20 13:22	08/22/20 08:00	
480-174150-3	OF 21S	Water	08/20/20 13:10	08/22/20 08:00	

- - -

4

0

9

Client: Solutia Inc. Job Number: 480-174150-1

List Source: Eurofins TestAmerica, Buffalo

Login Number: 174150 List Number: 1

Creator: Yeager, Brian A

• .		
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SOLUTIA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

4

9

10

Client: Solutia Inc.

Job Number: 480-174150-1

Login Number: 174150

List Source: Eurofins TestAmerica, Edison

List Number: 2 List Creation: 08/24/20 04:25 PM

Creator: Rivera, Kenneth

oreator. Rivera, Remietir		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0,5°C, IR #11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Solutia Inc. Job Number: 480-174150-1

Login Number: 174150 List Source: Eurofins TestAmerica, Savannah List Number: 3

List Creation: 08/25/20 01:32 PM

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins Environment Testing America

Eurofins TestAmerica, Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

Client Information	Sampler:	1 Japan	Ro. 00.	Lab PM: Hartma	Lab PM: Hartmann, Steve	٥			Carrier Tracking No(s):	4o(s):	COC No: 480-147577-20859.1	-20859.1	
Client Contact:	Phone:	1	しつつい	E-Mail:							Page:		
Mr. Jeff Leandro	413	-730-	3241	Steve	Steve.Hartmann@Eurofinset.com	n@Eurof	inset.co	E	360.V	3RD-Woetfield	Page 1 of 1		
Company: Solutia Inc.							An	<b>Analysis Requested</b>	uested		Job #:		
Address: 730 Worcester Street PO BOX 51975	Due Date Requested:	ij									Preservation Codes:	Codes:	
City: Springfield	TAT Requested (days):	ys):					_		_	_	B - NaOH	M - Hexane N - None O - AsNaO2	
State, zlp: MA, 01151											74		
Phone: 413-730-3291(Tel)	PO #: 46036717				(0						rc ic A	or S - H2SO4	hydrate
Email: jnlean@eastman.com	:#OM									IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			
Project Name: NPDES Dry Weather	Project #: 48007093							480-174	000	5000		W - pH 4-5 Z - other (speci	(A)
site: Solutia	:#MOSS				A) asi	s		custor			of coi		
Sample Identification	Sample Date	Sample	Sample Type (C=comp, G=arab)	Matrix (W=water, S=solid, O=wastefoll, BT=Tiesse A=Ai)	Field Filtered : Perform MS/M 200.7 - Copper 5	808_PCB - PCB	335.4 - Cyanide,	254_5ml - VOC			TedmuM IstoT	Special Instructions/Note:	
	X	X			X	Z	z	A					
OF 17	8 20	1:35pm	ව	Water	_	1	/	2			809	1 die	1
OF 9	-	1:22pm	_	Water		1	/	7			Sh-0040	4	Edison
OF 21S	+	1:10pm	4	Water		/	/	1					
											S. C.	16 104!	. 4
						1							
					1	+	-						
							+						
Possible Hazard Identification	Poison B	Unknown	Radiological		Sami	ole Disp	le Disposal ( A fa	fee may be	assessed if sam	amples are re	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)  Return To Client Disposal By Lab More	han 1 month)	
Deliverable Requested: I, II, III, IV, Other (specify)					Spec	al Instru	ctions/Q	Special Instructions/QC Requirements	ents:				
Empty Kit Relinquished by:		Date:			Time:				Method o	Method of Shipment:			
Relinquished by: Relinquished by:	9	5 05/0	3:30pm	SolotiA Company		Received by:	1	2		Date/Time:	10 080		
Relinquished by: Control of the Control of C				Company	ar (	Received by:	7	J.	i opio	Date/Time:	120 0800	Company	8
						mai raioo	perature(s	Cooler remperature(s) C and Other Remarks:	vernarks:	5,0	S.R.	Ver: 01/16/2019	2019

# Chain of Custody Record

Eurofins TestAmerica, Buffalo 10 Hazelwood Drive

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

eurofins Environment Testing America

	Sampler:	100	00.00		M:				Carrier Trac	Carrier Tracking No(s):	COC No:	COC No:	7
Client Information	TINGKE	NCC	CO. THE		Harimann, Steve	an			471.7		400-14	41311-70038	
Client Contact: Mr. Jeff Leandro	413	-730	-329	Steve	E-Mall: Steve.Hartmann@Eurofinset.com	ın@Eur	ofinset	com.			Page 1 of 1	1 of 1	
Company: Solutia Inc.							1	Analysis	Analysis Requested		h :# qor	- QX h	-M4/50
Address: 730 Worrester Street PO BOX 51975	Due Date Requested:	:pe			7		-				Presen		
Gity:	TAT Requested (days)	ays):								-,	B - NaO		- None
Springfield State Zin	_										C - Zn A		- Asna02 - Na204S
MA, 01151							-	_		_	E - NaH		7 - Na2SO3
Phone: 413-730-3291(Tel)	PO#: 46036717				(0						G - Amo	G - Amchlor S H - Ascorbic Acid T	- H2SO4 - TSP Dodecahydrate
Email: inlean@eastman.com	WO #:				(e)								U - Acetone V - MCAA
	Project #:				50,		-	1			K-EDTA		W - pH 4-5
DES Dry Weather	48007093				30,			sil m					- omer (specify)
SITE. Solutia	SSOW#:				) asi			oteuo			00 to		
		Sample		Matrix (w=water, S=soild, O=waste/oil.	eld Filtered erform WSM 0.7 - Copper	804 - BO4_80	95.4 - Cyanide	54 <sup>−</sup> 5ml - VOC			redmuM lsto		
Sample Identification	Sample Date	e X	G=grab)   Preservat	Preservation Code:	=X	9 z		9 4				opecial Instr	Special instructions/Note:
OF 17	8/20	1:35pm	9	Water	>	1		3			3	1- 80g	+ 2 2
010		1:2200	_	Water		>	/	1			V	shinged	to Edisa
OF 21S	1	1:10pm	4	Water		2	>	1			eter-	7-	1
											CZ.	(Fal.	04/10
													þ
480-174150 Chain of Custody													
							+						
Possible Hazard Identification	B acc		Padiological		Samp	le Disposal (A f	To Clie	4 fee may	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	samples are	Tetained long	yer than 1 m	onth)
sted: I, II, III, IV, Other (specify)		1	danoigheal		Specia	al Instru	ctions/	Special Instructions/QC Requirements:	ements:	G			MORRIS
Empty Kit Relinquished by:		Date:			Time:				Metho	Method of Shipment:			
Relinguished by.	90	20 3	. John	SolutiA		Received by	1	3	1	Date/Time:	10 05	280	Company
Me han	Date/Time:		Ted	Company		Received by		{	Kedo	Date/Time:	11 02/2	3	Company
Custody Cools Istorit Custody Cool No					3	Joe Tom	Josephan	O Pac Jo	Cooler Temporatured(s) Of and Other Demodes	-	*		
Custody Sear Mo  △ Yes △ No					3	ner rem	erature(	s) c and Or	ner Kemarks:	16	0	) So (	\
										,	>	>	Var. 01/16/2010

\*Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Number of Cooler #1:   Cooler #4:   Cooler	Job Number:	196-174150	7415	0		Receip	t Tempe	rature a	Receipt Temperature and pH Log	6o-						
11   12   12   12   12   12   13   14   14   14   14   14   14   14	umber of Coolers:	-	1		R Gun #		=									
1						ဘ	oler To	empera	atures							
13   15   15   15   15   15   15   15		RAW	CORRECTED				RAW	CORRECTED				RAW	CORRECTED			
13   13   13   13   13   13   13   13	Cooler #1:	M	D.50		ŏ	ooler #4:	S	S		Ö	ooler #7:	S	۵			
Cooler #6: C   Cool	Cooler #2:	S	۵		Ö	ooler #5:	S	ပ္		O	ooler #8:	S	S			
Total   Tota	Cooler #3:		ပ္		ŭ	ooler #6:	ပ္	ς,		O	ooler #9:	Ŋ	S			
(pH<2)   (pH<2)   (pH<2)   (pH<2)   (pH<2)   (pH>2)   (pH>2)   (pH>2)   (pH>2)   (pH>1)   (pH>2)   (		Ammonia	COD	Nitrate Nitrite	Metals	Hardness	Pest	EPH or QAM	Phenols	Sulfide	TKN	T0C	Total Cyanide	Total Phos	Other	Oth
Istments are required record the information below:	LS Sample Number	(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH 5-9)	(pH<2)	(pH<2)	(6 <hd)< td=""><td>(pH&lt;2)</td><td>(pH&lt;2)</td><td>(pH&gt;12)</td><td>(pH&lt;2)</td><td></td><td>L</td></hd)<>	(pH<2)	(pH<2)	(pH>12)	(pH<2)		L
Istments are required record the information below:																
Istments are required record the information below:																
ustments are required record the information below:																
Istments are required record the information below:																
Istments are required record the information below:																
ustments are required record the information below:																
ustments are required record the information below:																
ustments are required record the information below:																
ustments are required record the information below:																
ustments are required record the information below:																
Istments are required record the information below:																
ustments are required record the information below:  Volume of Presen																
ustments are required record the information below:  Volume of Presen																
Volume of Presen	;	If pH adju	stments a	re requir	ed record	the infor	mation b	:wole								
Volume of Presen	Sample No(s).	adjusted:_														
	Preservative Nan	ne/Conc.:					Volu	me of Pre	servative u	:(Im) pasr						
	Lot # of Preser	vative(s):							Expira	tion Date:						

Initials:

4014

Cooler Temperature(s) °C and Other Remarks

Received by:

отралу Company

Chain of Custody Record

eurofins Environment Testing America

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

Client Information (Sub Contract Lab)	Sampler			Hartm.	Lab PM: Hartmann, Steve	eve		Can	Carrier Tracking No(s)	s):	COC No. 480-58007.1	7.1	
ilient Confact Shipping/Receiving	Phone.			E-Mail Steve	ii. re.Hartm	E-Mail Steve, Hartmann@Eurofinset.com	t.com	Stat	State of Origin: Massachusetts		Page 1 of 1	11	
ompany. restAmerica Laboratories, Inc.					Accredita State P	Accreditations Required (See note): State Program - Massachusetts	e note): achusetts				Job #: 480-174150-1	50-1	
ddress: 5102 LaRoche Avenue,	Due Date Requested: 9/2/2020	÷					Analysi	Analysis Requested	sted		Preservat	Preservation Codes:	
ity. Savannah Tale. Zp.	TAT Requested (days):	ys):									B - NaOH C - Zn Acetate D - Nitric Acid		M - Hexane N - None O - AsNaO2 P - Na2O4S
5A, 31404 hnore. 312-354-7858(Tel) 912-352-0165(Fax)	# Od				(0						E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid	Cid	Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate
mail.	MO#				THE PARTY						_		U - Acetone V - MCAA
roject Name. NPDES Dry Weather	Project #: 48007093				195						Control of the Control		W - pH 4-5 Z - other (specify)
Site:	**NOSS				200	lonsd			_		of cor		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewster, Sesolid Onwester,	Field Filtered MS/M mohed	19M \IAQ_Q2108					Total Number	Special Instructions/Note:	tions/Note:
		X	Preserva	Preservation Code	X			50				Å	
DF 17 (480-174150-1)	8/20/20	13:35 Eastern		Water		×					3		
DF 9 (480-174150-2)	8/20/20	13:22 Eastern		Water		×					6		
OF 21S (480-174150-3)	8/20/20	13:10 Eastern		Water		×					3		
											(E)		
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not curl managed accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.	Mannerica places the ownershi s/matrix being analyzed, the signer irrent to date, return the signer	p of method, a amples must b	nalyte & accre e shipped bac tody attesting	ditation complied to the Eurofin	ance upon s TestAme ance to Eu	out subcontract lab rica laboratory or o ofins TestAmerica	oratories 7	his sample si ons will be pr	ipment is forwar	rded under	of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently uples must be shipped back to the Eurofina TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chain of Custody attesting to said complicance to Eurofins TestAmerica.	the laboratory of ould be brought t	pes not currently a Eurofins
Possible Hazard Identification Unconfirmed					San	ple Disposal ( A f	( A fee m	ay be asse	assessed if sam Disposal By Lab	ples are	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)  Return To Client Disposal By Lab Mor	r than 1 mon	nth) Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 1	able Rank:	_		Spe	Special Instructions/QC Requirements	s/QC Req	uirements:					
Emoty Kit Relinguished by		Date			Timo				Mathod of Shiom	-tomano			

Custody Seals Intact: A Yes A No

nquished by:

Custody Seal No.